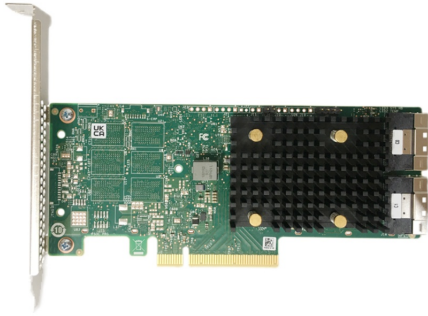# Broadcom 9500-16i Datasheet

Broadcom LSI 9500-16i 05-50134-00 PCIe 4.0 x8 SAS3816 16 Internal Ports 12Gb/s SAS, 6Gb/s SATA, Gen 4.0 PCIe(NVMe) Tri-Mode HBA

9500-16i

The high-port 9500-16i Tri-Mode, PCIe Gen 4.0 HBA is ideal for increased connectivity and maximum performance for enterprise data center flexibility.

With increased bandwidth and IOPS performance compared to previous generations, the 9500-16i adapter delivers the performance and scalability needed by critical applications.

- Connects up to 1024 SAS/SATA devices or 32 NVMe devices
- Provides maximum connectivity and performance for high-end servers and applications
- Support critical applications with the bandwidth of PCIe® 4.0 connectivity
- Universal Bay Management (UBM) Ready

Features

- Tri-Mode Storage Interface

- - 12Gb/s SAS
  - 6Gb/s SATA
  - Gen 4.0 PCIe (NVMe)
- Hardware Secure Boot
- Universal Bay Management (UBM) ready (SFF-TA-1005)
- 13,700 MBs (256K Seq Rd)
- 3M IOPs (4K RR)
- x8 PCIe Gen 4.0 Host Interface
  - Supports x8, x4, x2, x1 PCIe lanes at a transfer rate up to 16.0 GT/s per lane, full duplex
  - Lane and polarity reversal
- SFF-9402 Compliant Connector Pin-out
- Up to 1024 SAS/SATA devices
- Up to 32 NVMe devices
- Form Factor Friendly Cable Exit

Applications

- High-port direct attached connectivity applications
- Enterprise Databases
- Analytics Applications
- Medical Imaging
- Media Applications
- Flexible solutions for cloud computing

Specifications

- Product: HBA 9500-16i
- Manufacturer Part #: 05-50134-00
- Lifecycle: Active
- Distributor Inventory: No
- Brackets: Full height and low profile
- Devices Supported: SAS/SATA: 1024, NVMe: 32
- Generation: 12 Gb/s

- Host Bus Type: x8 lane PCI Express 4.0

- Internal Connectors: 2 x8 SFF-8654 (SlimSAS)

- Internal Ports: 16

- I/O Controller: SAS3816

- Management Software: LSI Storage Authority (LSA), StorCLI (Command-Line Interface), HII (UEFI Human Interface Infrastructure)

- MTBF: > 5,000,000 hours at 40° C

- Operating Humidity: 20% to 80% Non-condensing

- Operating Temperature°C: 0°C to 55°C

- OS Support: Microsoft Windows, VMware vSphere, VMware vSphere/ESXi, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Ubuntu Linux, Citrix XenServer, CentOS Linux, Debian Linux, Oracle Enterprise Linux, Fedora, FreeBSD

- Physical Dimensions: Low profile 6.127" x 2.712"

- Regulatory Certifications: Australia/New Zealand (AS/NZS CISPR 22), Canada ICES-003 Class B, CE Europe (EN55022/EN55024), Europe (EN55022/EN55024), Japan (VCCI V-3), Korea (RRA no 2013-24 & 25), RoHS, Safety: EN/IEC/UL 60950, Taiwan (CNS 13438), USA (FCC 47 CFR part 15 Subpart B, class B), WEEE

- Typical Power: 8.9W

- Warranty: 3 years, free technical support, advanced replacement option at broadcom.com/support/warranty/internal-raid-hba

- What's in the box: 9500-16i HBA, Low Profile Bracket, Bracket, FH (attached)

For more information of this Broadcom 9500-16i, please visit Broadcom website:

https://www.broadcom.com/products/storage/host-bus-adapters/sas-nvme-9500-16i

[Buy Now](#)